

MODERNIZING THE WARRIOR THROUGH ARMY TRANSFORMATION

Future Force Warrior (FFW) is the Army's flagship Science and Technology initiative to develop and demonstrate revolutionary capabilities for the Future Force Soldier and Small Team. A human-centric, integrated system of systems approach is being employed to support the Army transformation into a soldier centric force. The FFW is a major pillar of the Future Force Strategy, complementing the Future Combat System (FCS) and other Future Force programs.

FFW seeks to create a lightweight overwhelmingly lethal, fully integrated combat system including head to toe individual protection, ad-hoc networking, soldier worn power sources, and enhanced human performance. The program is aimed at providing unsurpassed individual and small team lethality, survivability, communications and responsiveness — a formidable warrior in an invincible team. FFW will be fully integrated with FCS and other Future Force platforms.

LETHALITY:

VISION: FFW interfaces with advanced, lightweight weapons and fire control optimized for urban combat, synchronized direct fire and indirect fire within and across FFW team, and leveraging FCS NLOS/BLOS fires.

SURVIVABILITY:

VISION: Lightweight, low bulk, multi-functional, full spectrum protective combat ensemble. Ballistic protection, novel signature management, semi-permeable membrane for CB/we protection, electrotexile power/data body LAN. On-board physiological/medical sensorsuite with enhanced casualty care.

MOBILITY, SUSTAINABILITY AND HUMAN PERFORMANCE:

VISION: Unconstrained vertical and lateral movement at full up combat/assault capability during mission execution. Objective individual soldier load weight of 40 pounds by introduction of lighter weight, multifunctional materials throughout all facets of the combat ensemble, a holistic systems approach, and offloading onto FCS robotic MULEs. Optimized cognitive and physical fightability.

POWER:

VISION: 24 hours autonomous individual operation, high density, low weight/volume, reliable, safe power source/system. 72 hours continuous team operations relying on the FCS MULE for recharging/fuel replacement.

"The FUTURE FORCE WARRIOR will be a formidable warrior in an invincible team, EXPLOITING THE POWER OF THE FORCE, by seeing first, understanding and acting first, finishing decisively, and surviving and enduring."



Soldier Dominance Through Innovation



FUTURE FORCE WARRIOR

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US ARMY NSC FUTURE FORCE WARRIOR TECHNOLOGY PROGRAM OFFICE

Kansas Street
Natick, MA 01760-5000
508-233-5436

ON THE WEB:

ffw.natick.army.mil
EMAIL: ffw@natick.army.mil

MEDIA INQUIRIES:

Public Affairs Office
508-233-5340



US ARMY NATICK SOLDIER CENTER

